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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1017 U.S. PTO
09/823763
04/03/01

In re application of

Rui ISHIYAMA

Appln. No.

Group Art Unit: Unknown

Confirmation No.:

Examiner: Unknown

Filed: April 3, 2001

For: DEVICE, METHOD AND RECORD MEDIUM FOR IMAGE COMPARISON

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Patent No. 2872776, published January 8, 1999.
2. Japanese Laid-Open Patent Application No. 9-259271, published October 3, 1997.
3. Japanese Laid-Open Patent Application No. 6-168317, published June 14, 1994.
4. H. Murase et al., "Visual Learning and Recognition of 3-D Objects from Appearance", International Journal of Computer Vision, Vol. 14, (1995), pp. 5-24 with Abstract.

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5. P. N. Belhumeur et al., "What is the Set of Images of an Object Under All Possible Illumination Conditions?", International Journal of Computer Vision, Vol. 28, Issue No. 3, (1998), pp. 245-260 with Abstract.
6. A.S. Georgiades et al., "Illumination Cones for Recognition Under Variable Lighting: Faces*", Proc. IEEE International Conference CVPR, (1998), pp. 52-58 with Abstract.
7. Japanese Patent Application No. 11-123687, published April 30, 2000.
8. M. Woo et al., "Open GL programming Guide", Addison-Wesley Publishers Japan, pp. 1-151.
9. S. Akamatsu, "Computer Recognition of Human Face-A Survey-", The Transactions of the Institute of Electronics, Information and Communication Engineers, Vol. J-80, No. 8, (1997), pp. 1215-1230.
10. S. Ying Ho et al., "An analytic solution for the pose determination of human faces from a monocular image", Pattern Recognition Letters, Vol. 19, (1998), pp. 1045-1054 with Abstract.
11. R.Y. Tsai, "An Effect and Accurate Camera Calibration Technique for 3D Machine Vision", Proc. CVPR '86, (1986), pp. 364-374 with Abstract.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date for an application other than a continued prosecution application (CPA) under §1.53(d); (2) Before the mailing date of the first Office Action on the

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merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant states that the above references 1,2,3,7,8 and 9 are discussed within the specification beginning at page 2, line 7 and 28, page 3, line 20, page 34, line 14, page 38, line 6 and page 42, line 16.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,



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Form PTO-1449 (Rev. 2-32)		U.S. Department of Commerce Patent & Trademark Office		Atty. Docket No. Q63913	Serial No.: Confirmation No.:		
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant: Rui ISHIYAMA			
				Filing Date: April 3, 2001	Group: Unknown		
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
FOREIGN PATENT DOCUMENTS							
		Document	Date	Country	Class	Sub-class	Translation Yes/No
		2872776	01/08/99	Japan			
		9-259271	10/03/97	Japan			
		6-168317	06/14/94	Japan			
		11-123687	04/30/00	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		H. Murase et al., "Visual Learning and Recognition of 3-D Objects from Appearance", International Journal of Computer Vision, Vol. 14, (1995), pp. 5-24 with Abstract.					
		P.N. Belhumeur et al., "What Is the Set of Images of an Object Under All Possible Illumination Conditions?", International Journal of Computer Vision, Vol. 28, Issue No. 3, (1998), pp. 245-260 with Abstract.					
		A.S. Georgiades et al., "Illumination Cones for Recognition Under Variable Lighting: Faces*", Proc. IEEE International Conference CVPR, (1998), pp. 52-58 with Abstract.					
		M. Woo et al., "Open GL programming Guide", Addison-Wesley Publishers Japan, pp. 1-151.					
		S. Akamatsu, "Computer Recognition of Human Face-A Survey-", The Transactions of the Institute of Electronics, Information and Communication Engineers, Vol. 80, No. 8, (1997), pp. 1215-1230.					
		S. Ying Ho et al., "An analytic solution for the pose determination of human faces from a monocular image", Pattern Recognition Letters, Vol. 19, (1998), pp. 10450-1054 with Abstract.					
		R.Y. Tsai, "An Efficient and Accurate Camera Calibration Technique for 3D Machine Vision", Proc. CVPR '86, pp. 364-374 with Abstract.					
EXAMINER:		DATE CONSIDERED:					
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.							

